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APPLICATIONS BEFORE THE USPTO**

I hereby appoint the Practitioners named below:

Name	Registration Number
Steven M. duBois	35023
Krishna V. Kalidindi	41461
Michael G. Savage	32596
Kenneth B. Leffler	36075

as attorneys or agents to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b). This appointment will automatically lapse five years after the date of execution of this document unless earlier revoked.


Assignee Name and Address:


Telefonaktiebolaget LM Ericsson (publ)
SE-164 83 Stockholm
Sweden

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individuals whose signatures and titles are supplied below are authorized to act on behalf of the assignee

Name: Carl Olof Blomqvist			
Signature		Date	April 22, 2004
Title: Senior Vice President and General Counsel		Telephone	+46 8 7198250

Name: Mats Ekelöf			
Signature		Date	April 22, 2004
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PTO/SB/86 (08-04)

Approved for use through 07/21/2008. OMB 0851-0081

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant: ~~Ericsson~~ **Sven Mattisson et al.**Application No. ~~09/580,632~~ **09/580,632** Filed ~~05/30/2000~~ **05/30/2000**Entitled: **Linear Dead-Band-Free Digital Phase Detection**

Telefonaktiebolaget L M Ericsson (publ) corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010833, Frame 0146, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
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The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned, whose title is supplied below, is authorized to act on behalf of the assignee.



Signature

Michael G. Savage

Printed or Typed Name

Reg. No. 32,596

Title

October 13, 2004

Date

919 677 9591

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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